

503001/27/06

Revised

CITY OF RIVERSIDE
HUMAN RESOURCES DEPARTMENT
CLASSIFICATION SPECIFICATION

TITLE: UTILITIES GENERATION TECHNICIAN

DEFINITION

Under general supervision, to operate and maintain the City's power generating facilities within the Utilities Department; to perform a variety of technical tasks relative to assigned areas of responsibility; and to do related work as required.

REPORTS TO: Utilities Electric Field Manager

SUPERVISION RECEIVED AND EXERCISED

Works under general supervision of the Utilities Electric Field Manager.

EXAMPLES OF DUTIES

Typical duties may include, but are not limited to, the following:

- Operate and maintain a gas turbine-generator power plant including plant equipment, auxiliary equipment and related support equipment.
- Receive and execute instructions from Power Resources Division for operation of the gas-turbine generator.
- Monitor inventories of maintenance materials and place orders for consumables, parts and services.
- Perform plant equipment safety tag-out; respond to emergency situations and is on-call as assigned.
- Review, maintain, evaluate and file operating logs, repairs and records to determine plant availability and compliance with the South Coast Air Quality Management District and other applicable governing agencies.
- Develop and maintain contingency plans relating to power plant operations and maintenance.

QUALIFICATIONS

Knowledge of:

- Basic physics, chemistry, thermodynamics, electricity and electronics as it applies to gas turbines and electric generation.
- Hazards involved and safety precautions required when working in and around electric generation and substation equipment including energized circuits, high voltage equipment, high pressure air and gasses and noisy and hot environments.
- Knowledge of South Coast Air Quality Management District compliance.

Ability to:

- Read, understand and follow written or oral instructions and establish procedures in English.
- Read precision recording instruments and keep records.

- Read and interpret mechanical and electrical drawings.
- Think clearly and logically and act decisively and properly in emergency situations.
- Operate radio, telephone, computer and computer central equipment.
- Establish and maintain effective working relationships with those encountered in the course of work.
- Work overtime as requested.
- Work rotating shifts as required.

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to the completion of the twelfth grade.

Experience: Journey-level control room operating experience in power plant generation, utilizing a gas turbine generator as a prime mover; continuous control system or equivalent experience. Journey-level gas turbine maintenance experience with instrumentation and control systems or equivalent is desirable. Operation of de-mineralized water system and relevant water quality testing is desirable.

MEDICAL CATEGORY: Group 1

NECESSARY SPECIAL REQUIREMENT

Possession of an appropriate, valid class "C" California Motor Vehicle Operator's License.

Possession of any required governmental licenses, registrations or certificates for the operation of a gas turbine plant.

CAREER ADVANCEMENT OPPORTUNITIES

FROM: Utilities Generation Technician

TO: Utilities Senior Substation/Generation Test Technician
Utilities Electric Field Manager